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PREDICTION OF THE MAXIMUM WIND SPEED IN THE 10-15 KM LAYER ABOVE CAPE KENNEDY

Prepared under NASA Government Order No. H-76789 by
H. L. Crutcher, J. A. Almazan, and Frank T. Quinlan

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ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
Environmental Data Service
National Weather Records Center
Asheville, North Carolina

Contract Monitors: O. E. Smith and S. C. Brown
Aerospace Environment Division
Aero-Astrodynamics Laboratory

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ABSTRACT

Tables are presented for the prediction of the maximum wind speed in the 10-15 km. layer above Cape Kennedy, Florida. These tables contain conditional probabilities based on eight years of data. The tables are presented by month. These permit the selection of probabilities that the maximum wind speed will be above (or below) a selected criterion for a specified period of time provided that the maximum speeds have been above (or below) the same speed criterion or certain periods of time.

Here, no attempt is made to place bounds of confidence on the probabilities. This will be done in a subsequent study.

PREDICTION OF THE MAXIMUM WIND SPEED IN THE 10-15 KM. LAYER ABOVE CAPE KENNEDY

I. Introduction

The atmospheric circulation wind fields at times present formidable hazards to the launching of space vehicles. In a macroscopic sense, the atmospheric flow through which a vehicle passes may be relatively smooth, yet the shear from one level to another may be such as to affect adversely the vehicle's passage.

This study presents the prediction of only one feature of the wind field, namely, the maximum wind in the space vehicular dynamic pressure region which is considered to be between 10 and 15 km. over Cape Kennedy, Florida.

The National Aeronautics and Space Administration, Marshall Space Flight Center, R-AERO-YT, Huntsville, Alabama (NASA-MSFC-R-AERO-YT) in cooperation with the Environmental Science Services Administration, Environmental Data Service, National Weather Records Center, Asheville, North Carolina (ESSA-EDS-NWRC) is developing prediction procedures for features of the wind distributions at Cape Kennedy, Florida.

II. Objective

Acceptable predictions of the maximum wind speed in the maximum dynamic pressure region for space vehicles over Cape Kennedy, Florida, are to be sought for 12-hour increments out to 120 hours.

Usable information for planning would be the answer to the question

as to the chances that the wind speed remain below (or above) a certain wind speed for a certain number of time periods when it has been below (or above) that wind speed for a specified number of time periods. The time periods are 12-hour (or half-day) intervals.

III. Data Source

The National Weather Records Center (NWRC) in Asheville, North Carolina, stores all meteorological data of the Environmental Science Services Administration (ESSA), Air Force and Navy. In addition to the winds aloft data available in punched card decks, some decks contain pressure, winds, temperature, moisture measurements and computed heights at specified pressure levels. Here, these are thermodynamic data. The development of prediction techniques requires, in many instances, sets of data which are serially complete.

The only deck or set of serially complete wind data is Card Deck 600 produced by the ESSA, NWRC, for NASA, MSFC and NASA, Langley. These contain wind data, direction and speed in mps, for 1 km. intervals from the surface to 27 km. These serially complete wind data are for Cape Kennedy, Florida; Washington, D. C.; Wallops Island, Virginia; Norfolk, Virginia; and Santa Monica, California. Eight years of data for Cape Kennedy were available when this study was initiated. The periods for the other stations vary from one year to ten. The Cape Kennedy, Florida, serially complete record now available is ten years, 1956-1965. These same data are available on magnetic tape.

Reference manuals are available at the ESSA, EDS, NWRC, which describe

the various sets of data. For a portion of the eight years mentioned above, four observations per day are available. Only two observations per day are used in this study. These are the 0000 (or 0300Z) and the 1200Z (or 1500Z) observations. The time intervals are 12 hours.

Data limitations are severe due to the small sample size of eight. The confidence bands are rather broad. Increase of the data base from 8 to 12 will narrow the confidence bands in the ratio of the square root of 8/12 or to approximately 0.82 of the original width. Sixteen years of data will double the data base and decrease the imprecision, i.e., the confidence bands, to 0.71 of the original width. Either of these is a substantial increase in precision. This study presents only the conditional probabilities as best estimates without any attempt to present the precision of the estimates.

IV. Procedures

The data are available only for 12-hour (--one-half day--) intervals. Each datum, for purposes of this study, represents the 12-hour interval extending from one observation to the next.

First, for example, select a threshold wind speed, such as 50 mps. Consider speeds equal to or greater than 50 mps.

Second, initiate a simple counting process to determine the sequences of wind speeds equal to or greater than 50 mps. Order the sequence lengths and indicate their frequencies.

Third, determine from the above sequence lengths and their frequencies,

the frequencies of a second set of sequences which consist of extensions beyond already observed lengths.

Fourth, reduce these frequencies to empirical probabilities and present in tabular form. Considerations presented by Hald (1952) serve as the basis for the use of empirical probabilities as theoretical probabilities.

Fifth, repeat these procedures for

a. A threshold speed of 50 mps, but

b. Consider speeds below 50 mps.

Appendix A contains all tables computed for the maximum wind speeds equal to or greater than specified criteria. The criteria are given in 5 mps increments from the lowest available to the highest available in each month. Appendix B contains all tables for maximum wind speeds less than the specified criteria. These are monthly tables. For tabular identification in the appendices, either A or B is followed immediately by two digits. The two digits represent the month. January is 01 while December is 12. The next three digits represent the speed criterion in mps. Three coding digits are required because some maximum wind speeds exceed 100 mps.

For purposes of illustration the table for the conditional probabilities of the January maximum wind speeds equal to or greater than 50 mps has the table identification Table A.01.050. Eight Januaries, each with 62 observations, were available.

The following information and formulae represent the above statements.

Cape Kennedy, Florida

Month: 01 denotes all Januaries, 02 all Februaries, etc.

$W \geq W^*$ or $W < W^*$: W is the recorded maximum wind. W^* is the wind speed criterion in mps.

N: Total number of observations in the period month. Also the number of possible outcomes.

i: Number of 12-hour periods in lag (run): length of period.

N_{r_i} : Number of runs of exact length i. Maximum number is 62 or 2 x 31.

N_i: Number of runs equal to or greater than length i.

j: Number of periods to be added to i. In the tables, the "j" values will be on diagonal lines parallel to the diagonal values of 1.00 probability which is the "j" = 0 line.

P_i: $\frac{N_i}{N}$, the probability that a run of length i will occur.

P_c: P(i, i+j), conditional probability.

: $\frac{P_{i+j}}{P_i} \approx \frac{N_{i+j}}{N_i}$

*: The asterisk is used whenever the empirical probability $\frac{N_{i+j}}{N_i}$ is greater than zero but less than 0.005.

The conditional probability matrices of the tables present the probability of sequences of any length "i" with "j" extensions. The first diagonal presents the probability of 1.00 of any "i" with "j" = 0. This value of 1.00 is at the right-hand end of each horizontal line. The other "j" values are in order from top to bottom. In effect, the "j" = 1 value falls on the diagonal immediately below the 1.00 probability diagonal of "j" = 0.

Physical limitation of page size requires truncation of "j" values at "i" = 29. This truncation is such that at "i" = 62 only the conditional probabilities of the sequence from some interval up to 62 time periods can be shown. Thus, in these tables the longest initial period that can be used is 29 12-hour periods or 14 and one-half days.

In Appendices A and B a few tables consist mainly of zero conditional probabilities. Inclusion of these ease some format problems.

An example of extraction of information at this point helps to clarify the foregoing statements. In the copy of Table A.01.050 consider as the first example the case where the maximum wind speeds have equalled or exceeded 50 mps 10 one-half day periods or 5 days. What is the probability that the maximum wind speeds will continue to exceed 50 mps for 10 half-day periods or 5 days? On this Table A.01.050, Step No. 1, proceed downward along the "i" column, as indicated by the solid arrow, to the number 10. In Step No. 2 move horizontally to the column of probabilities, j = 0 where the probability is 1.00. In Step No. 3 move downwards to the 11th "j" diagonal which will be 11 numbers (10+1) downwards.

Table A.01.050.

Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in January. The period of record is 1956—1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

This will include the "j" = 0 value of 1.00 as the first number. The probability is 0.66 or two chances in three that the maximum wind speed equal to or greater than 50 mps will continue for five days more if it already has continued for 5 days.

VI. Discussion

The conditional probabilities here are not the final answer. They present the picture of the 1956-1963 data whose empirical probabilities may be used as a guide for the future. The use of an additional four or more years of data, when available, will increase the precision (decrease the imprecision) of these probability estimates.

There are other features of the problem of the prediction of the maximum wind in the 10-15 km. layer over Cape Kennedy, Florida, which are worthy of investigation. Such studies will supplement the present study. One such study is now underway. This study, on the application of Markov (transition) matrices, will serve to still further exploit the information contained in the Cape Kennedy upper wind data. After that, the techniques can be extended in space in addition to the present studies in time.

It will be noted from an examination of the tabular data along the diagonals that the values may rise to a maximum value and then fall. This may result from groups of periodicities in the data which are more or less permanent or it may result from the periodicities prevalent during the period of record 1956-1963. Usually, thirty years of data are required for stability. If a period of data is an inadequate sample, doubling the

period of record usually will detect a significant change in the statistics. Such a change, if highly significant, usually will be noted when the period of record is increased by fifty percent. In this case, if the eight years of data are not adequate, twelve, and most surely sixteen years of data, will detect the change.

VII. Verification

Three independent tests of these conditional probability tables have been made. Obviously, as there are many tables, each could be tested several times. Here, the predictions have been made when the sequence of observations falls into one of two categories: (1) either below, or (2) equal to or greater than a specified speed. The tests have been made for intervals extending over twelve 12-hour time periods or six days. Table 1 shows the results of these tests for dates selected at random from January data during 1964, 1965 and 1966.

For each random date and for a specified criterion the wind speeds were tabulated for sequences prior to and after the random date where the speeds were all above or all below the specified criterion. From the appropriate conditional probability table then, the probability of continuance of the sequence after the random date for periods up to 12 periods given in the prior conditions was made. If the probability was greater than 0.50, the forecast was yes. Hits and misses were then changed into percent success.

Fifteen forecasts were made for the occurrence of maximum wind speeds equal to or greater than 50 mps preceding, during, and following an obser-

Table 1. Test results in percentages for hits in prediction of the Cape Kennedy, Florida, maximum winds in the 10-15 km. layer during January. The conditional probability tables of Appendices A and B were used.

(1) maximum wind speeds equal to or greater than 50 mps before, during and after a specified observation.

(2) maximum wind speeds less than 50 mps before, during and after a specified observation.

(3) maximum wind speeds equal to or greater than the wind speed before, during and after a specified observation.

	12-Hour Time Periods												
	1	2	3	4	5	6	7	8	9	10	11	12	No. of Forecasts
(1)	0.86	0.80	0.73	0.47	0.40	0.40	0.73	0.84	0.80	0.80	0.87	0.87	15
(2)	0.65	0.57	0.36	0.29	0.29	0.36	0.36	0.43	0.43	0.43	0.50	0.50	14
(3)	0.70	0.80	0.80	0.80	0.60	0.60	0.80	0.80	0.90	0.80	0.80	0.70	10

vation time. Fourteen forecasts were made for the occurrence of maximum wind speeds less than 50 mps preceding, during and following an observation time. Ten forecasts were made for the wind speed equal to or greater than a speed of an observation selected at random, preceding, during and after the observation time.

Examination of Table A.01.050 indicates that the median wind speed is about 50 mps, i.e., the probability of obtaining a wind speed equal to or greater than 50 mps is 0.504. This is shown in the top of the column, P_i, the fifth column. Please note that when the wind speed is equal to or greater than 50 mps, that the chances decrease from 9 in 10, to 8 in 10, to 7 in 10 before dropping to 5 in 10 at the end of the second day. For the prediction of wind speeds below 50 mps this table provides an advantage only for 24 hours.

Speed criteria other than the 50 mps criterion may selected. Table 1 indicates from the one random sample that decisions based on any January criterion have a probability about 0.80 to verify. The lower scores for the 50 mps criterion may be attributed to the fact that the median speed is 50 mps in January.

VIII. Acknowledgments

Acknowledgment is made to Mr. Dave Matthews for help in computing, to Mr. Ray Crane for final preparation of the tables in the appendices, and to Mrs. Margaret Larabee for typing. Appreciation is expressed to reviewers who made cogent suggestions for the reduction of the text material.

PREDICTION OF MAXIMUM WIND

CAPE KENNEDY, FLORIDA

(Appendix A).

CONDITIONAL PROBABILITIES

Prediction of Maximum Wind - Cape Kennedy, Florida

Part I: Conditional Probabilities

These tables are based on serially completed maximum wind data at the 10-15 km region over Cape Kennedy, Florida. Two observations per day were used in this study for the period January 1, 1956 through December 31, 1965.

Tables:

Station 12867: Cape Kennedy, Florida

Month: 01 denotes all Januaries, 02 all Februaries, etc

Speed less than W* or Speed equal to or greater than W*: Criteria, W* is the wind speed in meters per second.

Total-Observations: Number of observations in period month.

i: Number of 12-hour periods in lag (run); length of period.

N_i: Number of runs of exact length i; maximum number used in this study is 62.

N_i^*: Number of occurrences of runs equal to or greater than i.

N: Number of possible outcomes.

j: number of periods (added).

$P_i = \frac{N_i}{N}$, the probability that run of length i will occur.

$P_c = P(i, i + j)$, conditional probability

$$= \frac{P_{i+j}}{P_i} = \frac{N_{i+j}}{N_i}$$

NOTE: Values shown as "+" denotes values less than 0.005 but greater than 0.000.

Table A.01.025

Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.01.030 Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in January. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.01.035

Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956--1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.01.040

Conditional probabilities of the maximum wind speed equal to or greater than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.01.045

Conditional probabilities of the maximum wind speed equal to or greater than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.01.050

Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in January. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.01.055

Conditional probabilities of the maximum wind speed equal to or greater than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.01.060

Conditional probabilities of the maximum wind speed equal to or greater than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.01.065

Conditional probabilities of the maximum wind speed equal to or greater than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.01.070

Conditional probabilities of the maximum wind speed equal to or greater than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.01.075

Conditional probabilities of the maximum wind speed equal to or greater than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in January. The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.01.080 Conditional probabilities of the maximum wind speed equal to or greater than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in January. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.01.085

Conditional probabilities of the maximum wind speed equal to or greater than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.01.090 Conditional probabilities of the maximum wind speed equal to or greater than 90 mps in the 10-15 km layer over Cape Kennedy, Florida in January. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.02.025

Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.02.030 Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in February. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.02.035

Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.02.040 Conditional probabilities of the maximum wind speed equal to or greater than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in February. The period of record is 1956--1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.02.045

Conditional probabilities of the maximum wind speed equal to or greater than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.02.050 Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in February
The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.02.055

Conditional probabilities of the maximum wind speed equal to or greater than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in February
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.02.060 Conditional probabilities of the maximum wind speed equal to or greater than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in February. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.02.065

Conditional probabilities of the maximum wind speed equal to or greater than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.02.070

Conditional probabilities of the maximum wind speed equal to or greater than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.02.075

Conditional probabilities of the maximum wind speed equal to or greater than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in February. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.02.080

Conditional probabilities of the maximum wind speed equal to or greater than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.02.085 Conditional probabilities of the maximum wind speed equal to or greater than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in February. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.02.090

Conditional probabilities of the maximum wind speed equal to or greater than 90 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.02.095 Conditional probabilities of the maximum wind speed equal to or greater than 95 mps in the 10-15 km layer over Cape Kennedy, Florida in February. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.03.025

Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.03.030 Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.03.035 Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in March
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.03.040

Conditional probabilities of the maximum wind speed equal to or greater than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.03.045

Conditional probabilities of the maximum wind speed equal to or greater than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.03.050

Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.03.055 Conditional probabilities of the maximum wind speed equal to or greater than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in March. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c^{\rightarrow}}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c^{\rightarrow}}$ | | |

Table A.03.060 Conditional probabilities of the maximum wind speed equal to or greater than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in March
The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.03.065

Conditional probabilities of the maximum wind speed equal to or greater than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.03.070

Conditional probabilities of the maximum wind speed equal to or greater than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.03.075 Conditional probabilities of the maximum wind speed equal to or greater than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in March. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.03.080

Conditional probabilities of the maximum wind speed equal to or greater than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in March
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.03.085 Conditional probabilities of the maximum wind speed equal to or greater than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in March. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.03.090 Conditional probabilities of the maximum wind speed equal to or greater than 90 mps in the 10-15 km layer over Cape Kennedy, Florida in March. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.03.095

Conditional probabilities of the maximum wind speed equal to or greater than 95 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.04.015

Conditional probabilities of the maximum wind speed equal to or greater than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.04.020

Conditional probabilities of the maximum wind speed equal to or greater than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.04.025

Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.04.030 Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in April. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.04.035 Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in April. The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.04.040

Conditional probabilities of the maximum wind speed equal to or greater than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.04.045

Conditional probabilities of the maximum wind speed equal to or greater than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i.: Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.04.050

Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.04.055 Conditional probabilities of the maximum wind speed equal to or greater than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in April
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.04.060

Conditional probabilities of the maximum wind speed equal to or greater than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_{c\rightarrow}$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.04.065 Conditional probabilities of the maximum wind speed equal to or greater than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in April. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.04.070

Conditional probabilities of the maximum wind speed equal to or greater than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.04.075 Conditional probabilities of the maximum wind speed equal to or greater than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in April. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.04.080 · Conditional probabilities of the maximum wind speed equal to or greater than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in April. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.04.085 Conditional probabilities of the maximum wind speed equal to or greater than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.04.090

Conditional probabilities of the maximum wind speed equal to or greater than 90 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.05.010

Conditional probabilities of the maximum wind speed equal to or greater than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956—1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.05.015

Conditional probabilities of the maximum wind speed equal to or greater than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.05.020

Conditional probabilities of the maximum wind speed equal to or greater than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.05.025 Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in May. The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.05.030 Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.05.035

Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.05.040

Conditional probabilities of the maximum wind speed equal to or greater than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.05.045

Conditional probabilities of the maximum wind speed equal to or greater than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.05.050

Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.05.055 Conditional probabilities of the maximum wind speed equal to or greater than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in May. The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.05.060

Conditional probabilities of the maximum wind speed equal to or greater than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.05.065 Conditional probabilities of the maximum wind speed equal to or greater than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in May. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.06.010

Conditional probabilities of the maximum wind speed equal to or greater than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.06.015

Conditional probabilities of the maximum wind speed equal to or greater than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.06.020 Conditional probabilities of the maximum wind speed equal to or greater than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in June. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.06.025

Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.06.030

Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.06.035 Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in June. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.06.040

Conditional probabilities of the maximum wind speed equal to or greater than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.06.045 Conditional probabilities of the maximum wind speed equal to or greater than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in June. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.06.050

Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.07.010

Conditional probabilities of the maximum wind speed equal to or greater than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1956–1963

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.07.015

Conditional probabilities of the maximum wind speed equal to or greater than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.07.020

Conditional probabilities of the maximum wind speed equal to or greater than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.07.025

Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.07.030

Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.08.010 Conditional probabilities of the maximum wind speed equal to or greater than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in August. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.07.035

Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.08.015

Conditional probabilities of the maximum wind speed equal to or greater than 15 mps in the 10-15-km layer over Cape Kennedy, Florida in August.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.08.020

Conditional probabilities of the maximum wind speed equal to or greater than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in August.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.08.025

Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in August.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.08.030 Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in August. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.08.035 Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in August. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.09.005 Conditional probabilities of the maximum wind speed equal to or greater than 5 mps in the 10-15 km layer over Cape Kennedy, Florida in September. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.09.010

Conditional probabilities of the maximum wind speed equal to or greater than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in September.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.09.015

Conditional probabilities of the maximum wind speed equal to or greater than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in September. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.09.020 Conditional probabilities of the maximum wind speed equal to or greater than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in September. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.09.025

Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in September.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.09.030 Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in September. The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.09.035 Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in September. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | $\bar{N}$ | P_i | $P_{c\rightarrow}$ | | |

Table A.10.010

Conditional probabilities of the maximum wind speed equal to or greater than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_{c\rightarrow}$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.10.015

Conditional probabilities of the maximum wind speed equal to or greater than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.10.020

Conditional probabilities of the maximum wind speed equal to or greater than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.10.025

Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.10.030 . Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in October. The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_{c\rightarrow}$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.10.035 Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in October. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.10.040

Conditional probabilities of the maximum wind speed equal to or greater than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.10.045

Conditional probabilities of the maximum wind speed equal to or greater than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.10.050 Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in October. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.10.055

Conditional probabilities of the maximum wind speed equal to or greater than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in October. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.10.060 Conditional probabilities of the maximum wind speed equal to or greater than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in October. The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.10.065 Conditional probabilities of the maximum wind speed equal to or greater than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in October. The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.11.015

Conditional probabilities of the maximum wind speed equal to or greater than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.11.020 Conditional probabilities of the maximum wind speed equal to or greater than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in November. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.11.025 Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in November. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.11.030 Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in November. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.11.035 Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in November. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.11.040

Conditional probabilities of the maximum wind speed equal to or greater than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.11.045 Conditional probabilities of the maximum wind speed equal to or greater than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in November. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.11.050

Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.11.055′ Conditional probabilities of the maximum wind speed equal to or greater than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in November. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.11.060

Conditional probabilities of the maximum wind speed equal to or greater than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in November. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.11.065

Conditional probabilities of the maximum wind speed equal to or greater than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.11.070

Conditional probabilities of the maximum wind speed equal to or greater than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.11.075

Conditional probabilities of the maximum wind speed equal to or greater than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in November. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.11.080

Conditional probabilities of the maximum wind speed equal to or greater than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.11.085

Conditional probabilities of the maximum wind speed equal to or greater than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.12.020

Conditional probabilities of the maximum wind speed equal to or greater than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.12.025

Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.12.030 **Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in December. The period of record is 1956–1963.**

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.12.035

Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_{c\rightarrow}$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.12.040

Conditional probabilities of the maximum wind speed equal to or greater than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.12.045 Conditional probabilities of the maximum wind speed equal to or greater than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in December. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.12.050

Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.12.055

Conditional probabilities of the maximum wind speed equal to or greater than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.12.060

Conditional probabilities of the maximum wind speed equal to or greater than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.12.065

Conditional probabilities of the maximum wind speed equal to or greater than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.12.070 Conditional probabilities of the maximum wind speed equal to or greater than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in December. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_j} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.12.075

Conditional probabilities of the maximum wind speed equal to or greater than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table A.12.080 Conditional probabilities of the maximum wind speed equal to or greater than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in December. The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table A.12.085 Conditional probabilities of the maximum wind speed equal to or greater than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in December. The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

PREDICTION OF MAXIMUM WIND

CAPE KENNEDY, FLORIDA

(Appendix B)

CONDITIONAL PROBABILITIES

Table B.01.025

Conditional probabilities of the maximum wind speed of less than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B 01.030

Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.01.035

Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.01.040

Conditional probabilities of the maximum wind speed of less than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.01.045

Conditional probabilities of the maximum wind speed of less than 45 mps in the 10-15 km layer over Cape. Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B 01.050

Conditional probabilities of the maximum wind speed of less than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in January. The period of record is 1956—1968

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.01.055

Conditional probabilities of the maximum wind speed of less than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.01.060

Conditional probabilities of the maximum wind speed of less than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.01.065

Conditional probabilities of the maximum wind speed of less than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.01.070

Conditional probabilities of the maximum wind speed of less than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.01.075

Conditional probabilities of the maximum wind speed of less than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956—1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.01.080

Conditional probabilities of the maximum wind speed of less than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.01.085

Conditional probabilities of the maximum wind speed of less than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.01.090

Conditional probabilities of the maximum wind speed of less than 90 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_{c\rightarrow}$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.02.025 Conditional probabilities of the maximum wind speed of less than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.02.030

Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956—1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.02.035

Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.02.040

Conditional probabilities of the maximum wind speed of less than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.02.045

Conditional probabilities of the maximum wind speed of less than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.02.050

Conditional probabilities of the maximum wind speed of less than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in February
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.02.055 Conditional probabilities of the maximum wind speed of less than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.02.060

Conditional probabilities of the maximum wind speed of less than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c → : Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | P_c → | | |

Table B.02.065

Conditional probabilities of the maximum wind speed of less than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{ri} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.02.070

Conditional probabilities of the maximum wind speed of less than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.02.075 Conditional probabilities of the maximum wind speed of less than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.02.080 Conditional probabilities of the maximum wind speed of less than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.02.085

Conditional probabilities of the maximum wind speed of less than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.02.090 Conditional probabilities of the maximum wind speed of less than 90 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.02.095

Conditional probabilities of the maximum wind speed of less than 95 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.03.025 Conditional probabilities of the maximum wind speed of less than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in March
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c^{\rightarrow}}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c^{\rightarrow}}$ | | |

Table B.03.030

Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956—1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_{c\rightarrow}$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.03.035 Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.03.040

Conditional probabilities of the maximum wind speed of less than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.03.045

Conditional probabilities of the maximum wind speed of less than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in March
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c^{\rightarrow}}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c^{\rightarrow}}$ | | |

Table B.03.050

Conditional probabilities of the maximum wind speed of less than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.03.055

Conditional probabilities of the maximum wind speed of less than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.03.060

Conditional probabilities of the maximum wind speed of less than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.03.065

Conditional probabilities of the maximum wind speed of less than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in March
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.03.070

Conditional probabilities of the maximum wind speed of less than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.03.075

Conditional probabilities of the maximum wind speed of less than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | $\bar{N}$ | P_i | $P_{c\rightarrow}$ | | |

Table B.03.080

Conditional probabilities of the maximum wind speed of less than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in March
The period of record is 1956–1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.03.085

Conditional probabilities of the maximum wind speed of less than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in March
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.03.090

Conditional probabilities of the maximum wind speed of less than 90 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.03.095

Conditional probabilities of the maximum wind speed of less than 95 mps in the 10-15 km layer over Cape Kennedy, Florida in March
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.04.015

Conditional probabilities of the maximum wind speed of less than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.04.020

Conditional probabilities of the maximum wind speed of less than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in April
The period of record is 1956–1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.04.025

Conditional probabilities of the maximum wind speed of less than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.04.030 Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.04.035 Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in March

The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.04.040 Conditional probabilities of the maximum wind speed of less than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.04.045

Conditional probabilities of the maximum wind speed of less than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_{c\rightarrow}$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.04.050

Conditional probabilities of the maximum wind speed of less than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.04.055 Conditional probabilities of the maximum wind speed of less than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.04.060 Conditional probabilities of the maximum wind speed of less than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in April
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.04 065

Conditional probabilities of the maximum wind speed of less than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c → : Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | P_c → | | |

Table B.04.070

Conditional probabilities of the maximum wind speed of less than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.04.075 Conditional probabilities of the maximum wind speed of less than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in April
The period of record is 1956–1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.04.080 Conditional probabilities of the maximum wind speed of less than 80 mps in the 10-15 km layer over Cape Kennedy. Florida in April
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c → : Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | P_c → | | |

Table B.04.035 Conditional probabilities of the maximum wind speed of less than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.04.090 Conditional probabilities of the maximum wind speed of less than 90 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.05.010

Conditional probabilities of the maximum wind speed of less than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.05.015 Conditional probabilities of the maximum wind speed of less than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.05.020 Conditional probabilities of the maximum wind speed of less than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.05.025

Conditional probabilities of the maximum wind speed of less than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.05 030

Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956—1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.05.035

Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$. Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.05.040

Conditional probabilities of the maximum wind speed of less than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.05 045

Conditional probabilities of the maximum wind speed of less than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.05.050

Conditional probabilities of the maximum wind speed of less than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.05.055

Conditional probabilities of the maximum wind speed of less than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in May
The period of record is 1956–1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B 05.060

Conditional probabilities of the maximum wind speed of less than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.05.065

Conditional probabilities of the maximum wind speed of less than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.06.010

Conditional probabilities of the maximum wind speed of less than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.06.015

Conditional probabilities of the maximum wind speed of less than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.06.020

Conditional probabilities of the maximum wind speed of less than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.06.025

Conditional probabilities of the maximum wind speed of less than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963.

i: Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.06.030 Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.06.035 Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.06 040

Conditional probabilities of the maximum wind speed of less than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.06.045

Conditional probabilities of the maximum wind speed of less than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.06.050

Conditional probabilities of the maximum wind speed of less than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.07.010

Conditional probabilities of the maximum wind speed of less than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.07.015

Conditional probabilities of the maximum wind speed of less than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.07.020

Conditional probabilities of the maximum wind speed of less than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1956–1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.07.025 Conditional probabilities of the maximum wind speed of less than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.07.030

Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1936–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.07.035

Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.08.010

Conditional probabilities of the maximum wind speed of less than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in August.
The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.08.015

Conditional probabilities of the maximum wind speed of less than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in August.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c^{\rightarrow}}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c^{\rightarrow}}$ | | |

Table B.08.020

Conditional probabilities of the maximum wind speed of less than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in August
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B:08.025

Conditional probabilities of the maximum wind speed of less than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in August.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.08.030 Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in August.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.08.035 Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in August.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B 09.005

Conditional probabilities of the maximum wind speed of less than 5 mps in the 10-15 km layer over Cape Kennedy, Florida in September.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities.
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.09.010

Conditional probabilities of the maximum wind speed of less than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in September.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.09.015 Conditional probabilities of the maximum wind speed of less than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in September.
The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.09.020

Conditional probabilities of the maximum wind speed of less than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in September
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.09.025

Conditional probabilities of the maximum wind speed of less than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in September.
The period of record is 1956—1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.09.030

Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in September.
The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.09.035. Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in September.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.10.010

Conditional probabilities of the maximum wind speed of less than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.10.015

Conditional probabilities of the maximum wind speed of less than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.10.020 Conditional probabilities of the maximum wind speed of less than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.10.025

Conditional probabilities of the maximum wind speed of less than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.10.030

Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.10.035

Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.10.040

Conditional probabilities of the maximum wind speed of less than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.10.045

Conditional probabilities of the maximum wind speed of less than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.10.050

Conditional probabilities of the maximum wind speed of less than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.10.055

Conditional probabilities of the maximum wind speed of less than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_{c\rightarrow}$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.10.060

Conditional probabilities of the maximum wind speed of less than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.10.065

Conditional probabilities of the maximum wind speed of less than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.11.015

Conditional probabilities of the maximum wind speed of less than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.11.020 Conditional probabilities of the maximum wind speed of less than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.11.025 Conditional probabilities of the maximum wind speed of less than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.11.030 Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.11.035

Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.11.040

Conditional probabilities of the maximum wind speed of less than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in November
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.11.045 Conditional-probabilities of the maximum wind speed of less than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.11.050

Conditional probabilities of the maximum wind speed of less than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B 11.055

Conditional probabilities of the maximum wind speed of less than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.11.060

Conditional probabilities of the maximum wind speed of less than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.11.065 Conditional probabilities of the maximum wind-speed of less than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.11.070

Conditional probabilities of the maximum wind speed of less than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.11.075

Conditional probabilities of the maximum wind speed of less than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.11 080

Conditional probabilities of the maximum wind speed of less than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.11.085

Conditional probabilities of the maximum wind speed of less than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.12.020

Conditional probabilities of the maximum wind speed of less than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.12.025 Conditional probabilities of the maximum wind speed of less than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.12.030

Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.12.035

Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.12.040

Conditional probabilities of the maximum wind speed of less than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | P_c | | |

Table B.12.045 Conditional probabilities of the maximum wind speed of less than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.12.050

Conditional probabilities of the maximum wind speed of less than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

- i : Number of 12-hour periods in the run
- N_{r_i} : Number of runs of exact length i
- N_i : Number of runs equal to or greater than i
- N : Total number of observations
- P_i : The probability of a run of length i
- $P_c \rightarrow$: Conditional probabilities
- j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.12.055

Conditional probabilities of the maximum wind speed of less than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.12.060

Conditional probabilities of the maximum wind speed of less than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in December
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.12.065

Conditional probabilities of the maximum wind speed of less than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_{c\rightarrow}$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_{c\rightarrow}$ | | |

Table B.12.070

Conditional probabilities of the maximum wind speed of less than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.12.075

Conditional probabilities of the maximum wind speed of less than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956—1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.12.080 Conditional probabilities of the maximum wind speed of less than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |

Table B.12.085

Conditional probabilities of the maximum wind speed of less than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956–1963.

i : Number of 12-hour periods in the run
N_{r_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
$P_c \rightarrow$: Conditional probabilities
j : Number of periods to be added to i

| i | N_{r_i} | N_i | N | P_i | $P_c \rightarrow$ | | |